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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/707,481	12/17/2003	Todd M. Burdine	FIS920030295	1480	
	7590 04/19/200 NAL BUSINESS MAC	EXAMINER			
DEPT. 18G			DO, CHAT C		
BLDG. 300-483 2070 ROUTE 5			ART UNIT	PAPER NUMBER	
	UNCTION, NY 12533		2193		
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SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MO	NTHS	04/19/2007	2007 PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application No.	Applicant(s)	
·		10/707,481 BURDINE ET AL.		•
Office Action Sum	mary	Examiner	Art Unit	
	•	Chat C. Do	2193	
The MAILING DATE of this Period for Reply	communication app	ears on the cover sheet with the	correspondence addres	;s
A SHORTENED STATUTORY P WHICHEVER IS LONGER, FRO - Extensions of time may be available under tafter SIX (6) MONTHS from the mailing date - If NO period for reply is specified above, the - Failure to reply within the set or extended p	M THE MAILING DA he provisions of 37 CFR 1.13 e of this communication. maximum statutory period veriod for reply will, by statute, hree months after the mailing	ATE OF THIS COMMUNICATION  (36(a). In no event, however, may a reply be will apply and will expire SIX (6) MONTHS from	ON. timely filed om the mailing date of this commu NED (35 U.S.C. § 133).	
Status				
2a) ☐ This action is <b>FINAL</b> .  3) ☐ Since this application is in	2b)⊠ This condition for allowar	ecember 2003 and 30 August 2 action is non-final. nce except for formal matters, p ix parte Quayle, 1935 C.D. 11,	rosecution as to the me	rits is
Disposition of Claims			•	
4) Claim(s) 1-12 is/are pendir 4a) Of the above claim(s) _ 5) Claim(s) is/are allow 6) Claim(s) 1-12 is/are rejecte 7) Claim(s) is/are obje 8) Claim(s) are subjected	is/are withdraw wed. ed cted to.	vn from consideration.		
Application Papers	. ·			
	December 2003 is/a at any objection to the s) including the correct	re: a) $\square$ accepted or b) $\square$ objed drawing(s) be held in abeyance. So ion is required if the drawing(s) is the drawing(s) is the drawing(s).	ee 37 CFR 1.85(a). objected to. See 37 CFR 1	.121(d).
Priority under 35 U.S.C. § 119			•	
12) Acknowledgment is made of a) All b) Some * c) N  1. Certified copies of the certified application from the	lone of: ne priority document ne priority document ed copies of the prior International Bureau	priority under 35 U.S.C. § 119( s have been received. s have been received in Applica- rity documents have been recei u (PCT Rule 17.2(a)). of the certified copies not recei	ation No ved in this National Sta	ge
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawir  3) Information Disclosure Statement(s) (Paper No(s)/Mail Date 12/17/03.	-	4)  Interview Summa Paper No(s)/Mail 5)  Notice of Informa 6)  Other:		

### **DETAILED ACTION**

#### Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

2. Claims 1-12 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Claims 1-12 cite a method, program storage, and system for generating a random sequence in accordance with a mathematical algorithm. In order for claims to be statutory, claims must either include a practical/physical application or a concrete, useful, and tangible result. However, claims 1-12 merely disclose steps/components for generating a random sequence without further disclosing a practical/physical application or a useful and tangible result. In addition, claims 4-5, 9, and 12 are directed to non-tangible program storage as seen in paragraph [0069] of the original disclosure.

Therefore, claims 1-12 are directed to non-statutory subject matter.

## Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1, 4, 6, and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by Ward et al. (U.S. 4,142,240).

Re claim 1, Ward et al. disclose in Figures 1-3 a method for determining the nth state of an n-stage linear feedback shift register (LFSR) (e.g. abstract and Figure 2), comprising: building a look-up table of n-bit states for latch positions of linear feedback shift register (e.g. components 12-15 in Figure 3 as memory table for storing states of LFSR); obtaining a modulo remainder of Nth state (e.g. component 16 in Figure 3 as modulo-2 unit); and generating directly from modulo remainder and n-bit states Nth state (e.g. component 18 in Figure 3 as output unit for code).

Re claim 4, it is a program storage claim of claim 1. Thus, claim 4 is also rejected under the same rationale as cited in the rejection of rejected claim 1.

Re claim 6, it is a system claim of claim 1. Thus, claim 6 is also rejected under the same rationale as cited in the rejection of rejected claim 1.

Re claim 11, Ward et al. further disclose in Figures 1-3 method further comprising responsive to Nth state, selectively executing at least one of password generation, convergent signature analysis, secure credit card processing, system security integration, and encryption encoding and decoding (e.g. col. 1 lines 5-15 and 52-60).

#### Conclusion

- 5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
  - a. U.S. Patent No. 4,142,240 to Ward et al. disclose a agile code gene

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- b. U.S. Patent No. 5,566,099 to Shimada discloses a pseudorandom number generator.
- c. U.S. Patent No. 5,757,923 to Koopman Jr. discloses a method of generating secret identification numbers.
- d. U.S. Patent No. 6,934,730 to Direen Jr et al. disclose a method and system for generating a transform.
- e. U.S. Patent Publication No. 2005/0044119 to Langin-Hooper et al. disclose a pseudo-random number generator.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chat C. Do whose telephone number is (571) 272-3721. The examiner can normally be reached on M => F from 7:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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April 16, 2007

Examiner Art Unit 2193

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